

L9 ANSWER 31 OF 38 CAPLUS COPYRIGHT 2009 ACS on STN

ACCESSION NUMBER: 1981:424688 CAPLUS <<LOGINID::20090520>>

DOCUMENT NUMBER: 95:24688

ORIGINAL REFERENCE NO.: 95:4295a,4298a

TITLE: Synthesis of alkylaminoalkylamides of substituted 2-aminopyrroles as potential local anesthetic and antiarrhythmic agents. I: α -amines

AUTHOR(S): Sowell, J. Walter; Block, Alan J.; Derrick, Mary Elizabeth; Freeman, John J.; Kosh, Joseph W.; Mattson, Ronald J.; Mubarak, Philip F.; Tenthorey, Paul A.

CORPORATE SOURCE: Coll. Pharm., Univ. South Carolina, Columbia, SC, 29208, USA

SOURCE: Journal of Pharmaceutical Sciences (1981), 70(2), 135-40

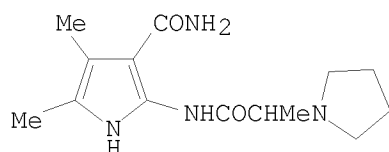
CODEN: JPMSAE; ISSN: 0022-3549

DOCUMENT TYPE: Journal

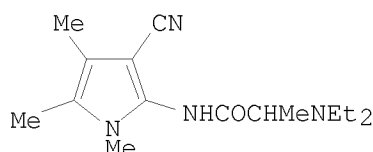
LANGUAGE: English

OTHER SOURCE(S): CASREACT 95:24688

GI



I



II

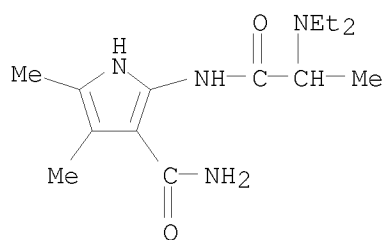
AB The synthesis, local anesthetic and antiarrhythmic properties, and central nervous system toxicity of 19 2-(2-alkylaminoalkylamido)pyrroles, e.g. I and II, are described. The pyrroles were prepared by alkylation of 2-aminopyrroles with haloacyl halides followed by reactions with amines. Most of the compds. exhibited local anesthetic activity by the guinea pig wheat test, and four showed activity comparable to or greater than that of lidocaine. Most compds. also exhibited antiarrhythmic activity; five compds. had activity comparable to that of lidocaine, and one was more potent. All compds. exhibiting antiarrhythmic activity also were toxic to the central nervous system.

IT **77995-99-4P**

RL: BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses) (preparation and local anesthetic activity of)

RN 77995-99-4 CAPLUS

CN 1H-Pyrrole-3-carboxamide, 2-[[2-(diethylamino)-1-oxopropyl]amino]-4,5-dimethyl-, hydrochloride (1:1) (CA INDEX NAME)



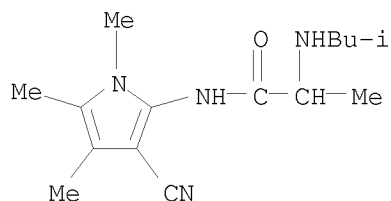
● HCl

IT 77995-65-4P 77995-66-5P 77995-67-6P
77995-70-1P 77995-71-2P 77995-72-3P
77995-73-4P 77995-74-5P 77995-80-3P

RL: SPN (Synthetic preparation); PREP (Preparation)
 (preparation of)

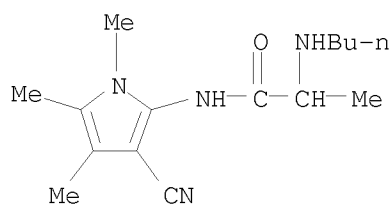
RN 77995-65-4 CAPLUS

CN Propanamide, N-(3-cyano-1,4,5-trimethyl-1H-pyrrol-2-yl)-2-[(2-methylpropyl)amino]- (CA INDEX NAME)



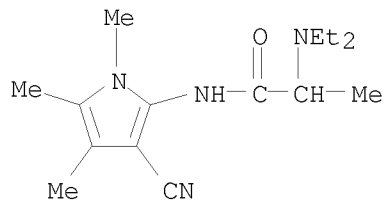
RN 77995-66-5 CAPLUS

CN Propanamide, 2-(butylamino)-N-(3-cyano-1,4,5-trimethyl-1H-pyrrol-2-yl)- (CA INDEX NAME)



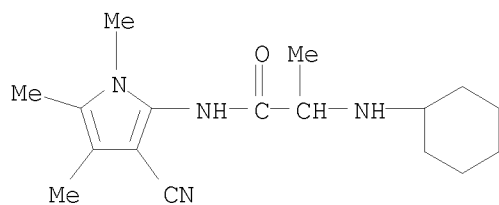
RN 77995-67-6 CAPLUS

CN Propanamide, N-(3-cyano-1,4,5-trimethyl-1H-pyrrol-2-yl)-2-(diethylamino)- (CA INDEX NAME)



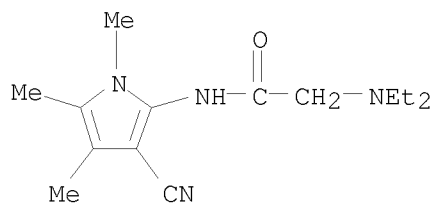
RN 77995-70-1 CAPLUS

CN Propanamide, N-(3-cyano-1,4,5-trimethyl-1H-pyrrol-2-yl)-2-(cyclohexylamino)- (CA INDEX NAME)



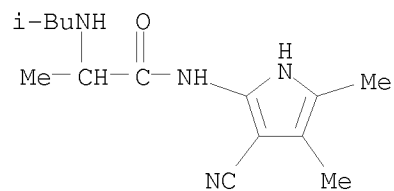
RN 77995-71-2 CAPLUS

CN Acetamide, N-(3-cyano-1,4,5-trimethyl-1H-pyrrol-2-yl)-2-(diethylamino)- (CA INDEX NAME)



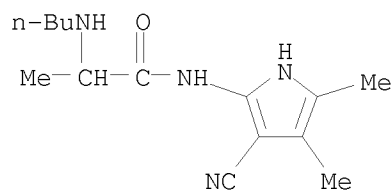
RN 77995-72-3 CAPLUS

CN Propanamide, N-(3-cyano-4,5-dimethyl-1H-pyrrol-2-yl)-2-[(2-methylpropyl)amino]- (CA INDEX NAME)



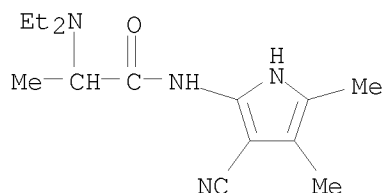
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CN Propanamide, 2-(butylamino)-N-(3-cyano-4,5-dimethyl-1H-pyrrol-2-yl)- (CA INDEX NAME)



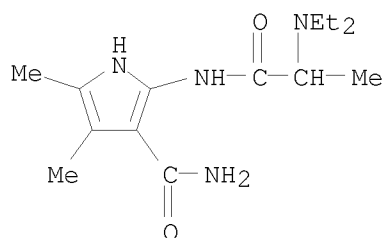
RN 77995-74-5 CAPLUS

CN Propanamide, N-(3-cyano-4,5-dimethyl-1H-pyrrol-2-yl)-2-(diethylamino)- (CA INDEX NAME)



RN 77995-80-3 CAPLUS

CN 1H-Pyrrole-3-carboxamide, 2-[[2-(diethylamino)-1-oxopropyl]amino]-4,5-dimethyl- (CA INDEX NAME)



IT 77995-81-4P 77995-82-5P 77995-83-6P

77995-86-9P 77995-87-0P 77995-88-1P

77995-89-2P 77995-90-5P 77995-91-6P

77995-92-7P 77995-93-8P

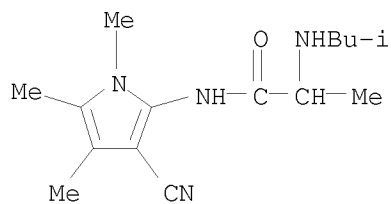
RL: SPN (Synthetic preparation); PREP (Preparation)

(preparation, local anesthetic, antiarrhythmic, and central nervous system toxicity of)

RN 77995-81-4 CAPLUS

CN Propanamide, N-(3-cyano-1,4,5-trimethyl-1H-pyrrol-2-yl)-2-[(2-

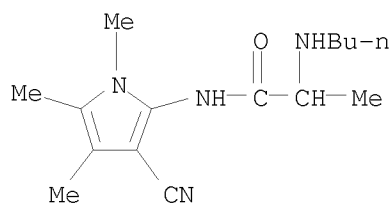
methylpropyl)amino]-, hydrochloride (1:1) (CA INDEX NAME)



● HCl

RN 77995-82-5 CAPLUS

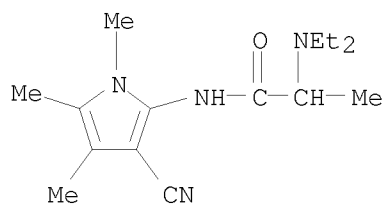
CN Propanamide, 2-(butylamino)-N-(3-cyano-1,4,5-trimethyl-1H-pyrrol-2-yl)-, hydrochloride (1:1) (CA INDEX NAME)



● HCl

RN 77995-83-6 CAPLUS

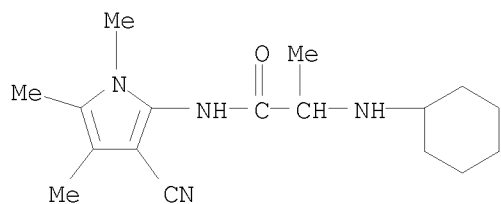
CN Propanamide, N-(3-cyano-1,4,5-trimethyl-1H-pyrrol-2-yl)-2-(diethylamino)-, hydrochloride (1:1) (CA INDEX NAME)



● HCl

RN 77995-86-9 CAPLUS

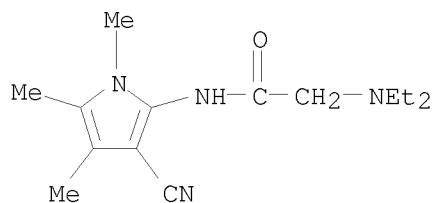
CN Propanamide, N-(3-cyano-1,4,5-trimethyl-1H-pyrrol-2-yl)-2-(cyclohexylamino)-, hydrochloride (1:1) (CA INDEX NAME)



● HCl

RN 77995-87-0 CAPLUS

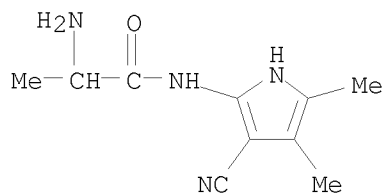
CN Acetamide, N-(3-cyano-1,4,5-trimethyl-1H-pyrrol-2-yl)-2-(diethylamino)-, hydrochloride (1:1) (CA INDEX NAME)



● HCl

RN 77995-88-1 CAPLUS

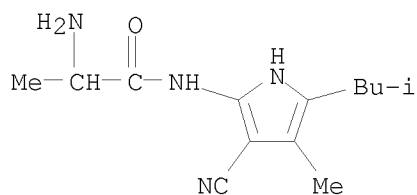
CN Propanamide, 2-amino-N-(3-cyano-4,5-dimethyl-1H-pyrrol-2-yl)-, hydrochloride (1:1) (CA INDEX NAME)



● HCl

RN 77995-89-2 CAPLUS

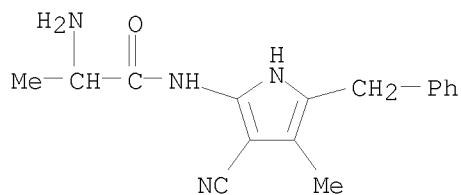
CN Propanamide, 2-amino-N-[3-cyano-4-methyl-5-(2-methylpropyl)-1H-pyrrol-2-yl]-, hydrochloride (1:1) (CA INDEX NAME)



● HCl

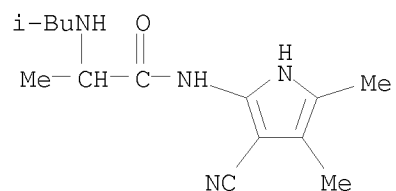
RN 77995-90-5 CAPLUS

CN Propanamide, 2-amino-N-[3-cyano-4-methyl-5-(phenylmethyl)-1H-pyrrol-2-yl]- (CA INDEX NAME)



RN 77995-91-6 CAPLUS

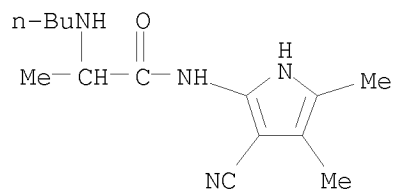
CN Propanamide, N-(3-cyano-4,5-dimethyl-1H-pyrrol-2-yl)-2-[(2-methylpropyl)amino]-, hydrochloride (1:1) (CA INDEX NAME)



● HCl

RN 77995-92-7 CAPLUS

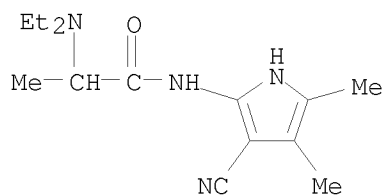
CN Propanamide, 2-(butylamino)-N-(3-cyano-4,5-dimethyl-1H-pyrrol-2-yl)-, hydrochloride (1:1) (CA INDEX NAME)



● HCl

RN 77995-93-8 CAPLUS

CN Propanamide, N-(3-cyano-4,5-dimethyl-1H-pyrrol-2-yl)-2-(diethylamino)-, hydrochloride (1:1) (CA INDEX NAME)



● HCl